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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY 22 SEP 2004 (Chapter II of the Patent Cooperation Treaty) WIPO POT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 2021102PC/or	FOR FURTHER ACTION See Form PCT/IPEA/416						
International application No.	International filing date (day	v/month/vear)	Priority date (day/month/year)				
PCT/FI 2002/000742	18.09.2002	,,	1 money date (day/monadycar)				
International Patent Classification (IPC) or		PC					
H04Q 7/30, H04J 3/16							
101Q //30, 11010 3/10							
Applicant							
Nokia Corporation et al							
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 							
2. This REPORT consists of a total of 4 sheets, including this cover sheet.							
3. This report is also accompanied by ANNEXES, comprising:							
	and to the International Bured						
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).							
·		vhich this Authorit	y considers contain an amendment that goes				
beyond the dis	sclosure in the international ap-	pplication as filed,	as indicated in item 4 of Box No. I and the				
Supplemental	Box.						
b (sent to the Internation	nal Bureau only) a total of (in	dicate type and nu	umber of electronic carrier(s))				
	, containing a	sequence listing as	nd/or tables related thereto, in computer				
Administrative Instruc	indicated in the Supplementa tions).	al Box Relating to	Sequence Listing (see Section 802 of the				
E	The state of the s						
	blishment of opinion with reg	ith regard to novelty, inventive step and industrial applicability					
Box No. IV Lack of	unity of invention						
applicabi	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
Box No. VI Certain o	locuments cited						
Box No. VII Certain of	lefects in the international app	plication					
Box No. VIII Certain observations on the international application							
Date of submission of the demand Date of completion of this report							
Date of Submission of the demand	Date	te of completion of	f this report				
21 00 2002							
21.08.2003		31.08.2004					
Name and mailing address of the IPEA/SE Patent- och registreringsverket	Aut	Authorized officer					
Box 5055							
S-102 42 STOCKHOLM		Catharina Karlsson /OGU					
Form PCT/IPEA/409 (cover sheet) (January	(2004) Tele	ephone No. +46	8 782 25 00				

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/FI 2002/000742

Box	No. I	Basis of the report					
1.	1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.						
	Ц	This report is based on a translation from the original language into the following language which is the language of a translation furnished for the purposes of:					
		international search (under Rules 12.3 and 23.1(b))					
		publication of the international application (under Rule 12.4)					
		international preliminary examination (under Rules 55.2 and/or 55.3)					
2.	furnisi	Vith regard to the elements of the international application, this report is based on (replacement sheets which have been irnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):					
	\boxtimes	the international application as originally filed/furnished					
		the description:					
		pages as originally filed/furnished					
		pages* received by this Authority on					
		pages* received by this Authority on					
	Ш	the claims:					
		pages as originally filed/furnished					
		pages* as amended (together with any statement) under Article 19 pages* as amended (together with any statement) under Article 19					
		pages* received by this Authority on pages* received by this Authority on					
		the drawings:					
	ш	•					
		pages as originally filed/furnished pages* received by this Authority on					
		pages* received by this Authority on					
		a sequence listing and/or any related table(s) see Supplemental Box Relating to Sequence Listing.					
3.		The amendments have resulted in the cancellation of:					
		the description, pages					
		the claims, Nos.					
		the drawings, sheets/figs					
		any table(s) related to the sequence listing (specify):					
4.		This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).					
		the description pages					
		the description, pages the claims, Nos.					
		the drawings, sheets/figs					
		the sequence listing (specify):					
		any table(s) related to the sequence listing (specify):					
*	* If item 4 applies, some or all of those sheets may be marked "superseded."						

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims Claims	1-28	YES NO
Inventive step (IS)	Claims Claims	1-28	YES NO
Industrial applicability (IA)	Claims Claims	1-28	YES NO

2. Citations and explanations (Rule 70.7)

The claimed invention

The present invention solves the problem that the base station does not managing the radio resources according to load situation in the transport network.

Reference is made to the following documents:

D1: US5678178 A D2: WO0232174 A1 D3: US5844886 A

D4: TOLLI A. ET AL.: 'Performance evaluation of common radio resource management (CRRM)' IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS, 2002. ICC 2002 vol. 5, 28 April 2002 - 02 May 2002, NEW YORK, NY. USA, pages 3429 - 3433.

D1 relates to a mobile communications network where base transceiver stations and higher-level network elements are connected to nodes of a SDH network for dynamic establishment of digital transmission links. The network management of the SDH network is capable of dynamic allocation of transmission capacity of the transmission network to base transceiver stations or higher-level network elements according to their traffic load, (abstract).

D2 discloses base station controllers and the radio network controllers connected to a common radio resource manager CRRM. The CRRM controls the features of radio resource management relating to multiple cells.

D3 reveals a system for and method of network management under traffic overload.

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of: $Box\ V$

D4 describes common radio resource management (CRRM) for traffic management, abstract.

Reasoned statement

None of the cited documents disclose the solution of the present invention: the base station adjusts the radio capacity information based on the transport capacity.

Neither does the cited prior art give any indication that would lead a person skilled in the art to the claimed method of and system for managing the radio resources. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1- 28 is novel and is considered to involve an inventive step. The invention is industrially applicable.